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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/505,561 08/23/2004		08/23/2004	Rainer Schaenzel	11839/32	7553	
26646	7590	01/25/2006		EXAMINER		
KENYON ONE BROA		ON LLP	LUM VANNUCCI, LEE SIN YEE			
NEW YORK		0004		ART UNIT	PAPER NUMBER	
				3611		

DATE MAILED: 01/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No. Applicant(s)							
065	10/505,561		SCHAENZEL, RAINER						
Office Action Summa	Examiner		Art Unit						
		Lee Lum		3611					
The MAILING DATE of this co Period for Reply	mmunication app	ears on the c	over sheet with the c	orrespondence ad	ldress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1)⊠ Responsive to communication	n(s) filed on 26 A	แลแระ 2004							
2a)☐ This action is FINAL .	Responsive to communication(s) filed on <u>26 August 2004</u> . This action is FINAL . 2b)⊠ This action is non-final.								
<i>'</i> —	<i>,</i> —			secution as to the	a marite is				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
closed in accordance with the	closed in accordance with the practice under Ex parte Quayle, 1955 C.D. 11, 455 O.G. 213.								
Disposition of Claims									
4)⊠ Claim(s) <u>11-22</u> is/are pending	☑ Claim(s) <u>11-22</u> is/are pending in the application.								
4a) Of the above claim(s)	is/are withdrav	wn from cons	ideration.						
5) Claim(s) is/are allowed	· · · 								
6)⊠ Claim(s) <u>11-16,21 and 22</u> is/a	☑ Claim(s) <u>11-16,21 and 22</u> is/are rejected.								
7) Claim(s) <u>17-20</u> is/are objected	d to.								
8) Claim(s) are subject to									
Application Papers									
9) The specification is objected to	by the Examine	r							
· ·	•		objected to by the E	xaminer.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 35 U.S.C. § 119									
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
Attachment(s) 1)		A	☐ Interview Summary	PTO-413\					
 2) Notice of Draftsperson's Patent Drawing Remains 	eview (PTO-948)		Paper No(s)/Mail Da	te					
3) Information Disclosure Statement(s) (PTO- Paper No(s)/Mail Date			Notice of Informal Pa	atent Application (PTC	O-152)				

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DETAILED ACTION

1. A Preliminary Amendment was filed 8/23/04, which cancelled Claims 1-10, and added Claims 11-22.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 11, 12, 21 and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Pietrzak et al 4809806.

Pietrzak discloses a rack-and-pinion steering system 10 for vehicles comprising Pinion 74 and rack 12, the latter arranged in a steering mechanism housing 22, with ends connected to tie rod 20,

Pressure piece/block 54, including adjusting screw/cap 56, maintaining the pinion and rack in constant engagement,

Sealing bellows (unidentified in fig 1) fastened on one side to the housing, and on another side to the tie rod.

Pressure compensation element/spring 58 integrated in the pressure piece/block, and housing, and,

the adjusting screw/cap includes the pressure compensation element/spring.

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3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- A. Claims 13 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pietrzak in view of Ookouchi et al 5634977.

Pietrzak discloses the elements as provided above, but does not disclose the pressure piece/pressure compensation element/spring as made of a sintered porous material. Ookouchi shows this material as coatings on structures that undergo similar actions; i.e., sliding and compression within another structure. Column 3, In 63, to c4, In 7, disclose that use of this material have improved corrosion and abrasion resistance.

Thus it would have been obvious to one with ordinary skill in the art at the time the invention was made to include this material, as shown in Ookouchi, to minimize corrosion, and abrasion resistance, yet have the requisite strength and durability for the particular application.

B. Claims 15 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pietrzak in view of Gotthelf 5443083.

Re **Claim 15**, Piertrzak discloses the elements as provided above, but does not disclose the pressure compensation piece/spring as including a porous sintered plastic insert. Gotthelf shows a sintered plastic filter/insert 192, where column 7, In 42-51 provides that it "[does not] generate contaminants, [nor] suffer from corrosion problems like...metal".

Therefore it would have been obvious to one with ordinary skill in the art at the time the invention was made to include this material, as shown in Gotthelf, to minimize contamination and corrosion, yet have the requisite strength and durability for the particular application.

Re Claim 16, Pietrzak discloses the steering mechanism housing as including shell 34, the latter of which includes cutout/bore 52 to fit the insert 54.

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4. Claims 17-20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Prior art does not disclose the invention described above further including, *inter alia*, the insert as a pressed pellet into the cutout (bore).

- 5. The prior art found pertinent to the disclosure, but not relied upon, includes: Oslapas et al 4987963, Butler 4721175.
- 6. Communication with the Examiner/USPTO

Any inquiry concerning this communication, or others, should be directed to Ms. Lum at 571 272 6649, M-F, 9-5. If she can't be reached, her supervisor, Ms. Lesley Morris, may be reached at 571 272 6651. Our fax number is 571 273 8300.

Information re the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) System as follows: for unpublished apps - private PAIR only, for published apps - private or public PAIR.

LESLEY D. MORRIS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600

Ms. Lee Lum-Vannucci Examiner

1/19/06